

AMENDMENT UNDER 37 C.F.R. § 1.111
U.S. Appln. No. 10/072,961
Attorney Docket No.: Q68491

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

1. (currently amended): A digital watermark embedding method of embedding a digital watermark, which is a signal generated according to specific rules, into contents comprising digital data, the method comprising ~~the processes of~~:
determining a position-timing before an end timing of said contents; and
setting an end position-timing of said embedded digital watermark in said contents at said determined position timing.
2. (currently amended): The digital watermark embedding method according to claim 1, wherein a difference between the set end timing position of said embedded digital watermark and the end timing of said contents corresponds to or is greater than the a delay time in detecting said digital watermark.
3. (currently amended): A digital watermark embedding method of embedding a digital watermark, which is a signal generated according to specific rules, into contents comprising digital data, the method comprising ~~the processes of~~:
determining a positiontiming before a starting start timing point of said current contentscontent of said contents; and

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setting a start starting positiontiming of said embedded digital watermark ~~in said contents~~ at said determined positiontiming ~~in previous content of said contents~~.

4. (currently amended): The digital watermark embedding method according to claim 3, wherein a difference between the start timing ~~starting position~~ of said embedded digital watermark and a start starting positiontiming of said current contents~~content~~ corresponds to or is greater than a the delay time in detecting said digital watermark.

5. (currently amended): A digital watermark embedding method of embedding a digital watermark ~~watermarks~~, which ~~are signals~~is a signal generated according to specific rules, ~~in~~into a plurality of continuous contents comprising digital data, the method comprising the processes of:

determining a positiontiming before a first change positiontiming, wherein the first change timing is a timing at which ~~of adjacent~~contents ~~contents~~ are switched to current contents; and

setting a second change positiontiming of said digital watermarks~~watermark~~ in said adjacent ~~contents~~contents at said determined positiontiming.

6. (currently amended): The digital watermark embedding method according to claim 5, wherein in the case that out of a plurality of continuous contents, copying is allowed for previous contents, the setting process sets a start starting positiontiming of said embedded digital

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watermark in following contents that follow the previous contents, at a start starting point timing of the following contents.

7. (currently amended): The digital watermark embedding method according to claim 5, wherein a difference between the second change position timing of said embedded digital ~~watermarks~~ watermark and the first change position timing of said switch said adjacent contents corresponds to or is greater than the a delay time in detecting said digital watermark watermarks.

8. (currently amended): The digital watermark embedding method according to claim 1, wherein said digital watermark is data indicating that copying of said contents is allowed one time only, or is data indicating that copying of said contents is prohibited.

9. (currently amended): A digital watermark embedding apparatus that embeds a digital watermark, which is a signal generated according to specific rules, ~~in~~-into contents comprising digital data, the apparatus comprising:

a determining device for determining a position timing before an end timing of said contents; and

a setting device for setting an end position timing of said embedded digital watermark in said contents at said determined position timing.

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10. (currently amended): The digital watermark embedding apparatus according to claim 9, wherein a difference between the set end position timing of said embedded digital watermark and the end timing the end of said contents corresponds to or is greater than the-a delay time in detecting said digital watermark.

11. (currently amended): A digital watermark embedding apparatus that embeds a digital watermark, which is a signal generated according to specific rules, in-into contents comprising digital data, the apparatus comprising:

a determining device for determining a position timing before the-a start starting point timing of current content of said contents; and
a setting device for setting a start starting position timing of said embedded digital watermark in-said contents at said determined position timing in previous content of said contents.

12. (currently amended): The digital watermark embedding apparatus according to claim 11, wherein a difference between the start starting position timing of said embedded digital watermark and a start starting position timing of said current content contents corresponds to or is greater than the-a delay time in detecting said digital watermark.

13. (currently amended): A digital watermark embedding apparatus that embeds a digital watermark-watermarks, which are-is a signals-signal generated according to specific rules, in-into a plurality of continuous contents comprising digital data, the apparatus comprising:

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a determining device for determining a positiontiming before a first change positiontiming, where the first change timing is a timing at which of said adjacent contents is switch to current contents; and

a setting device for setting a second change positiontiming of said digital watermarks watermark in said adjacent contents at said determined positiontiming.

14. (currently amended): The digital watermark embedding apparatus according to claim 13, wherein in ~~the~~a case that out of a plurality of continuous contents, copying is allowed for previous contents, the setting device sets a start starting positiontiming of said embedded digital watermark in following contents that follow the previous contents, at a start starting timing point of the following contents.

15. (currently amended): The digital watermark embedding apparatus according to claim 13, wherein a difference between the second change positiontiming of said embedded digital watermarks watermark and the first change positiontiming of ~~said~~ switch of ~~said~~ adjacent contents corresponds to or is greater than ~~the~~a delay time in detecting said digital watermark watermarks.

16. (currently amended): The digital watermark embedding apparatus according to claim 9, wherein said digital watermark is data indicating that copying of said contents is allowed one time only, or is data indicating that copying of said contents is prohibited.

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17. (currently amended): A computer-readable recording-medium having an embedded a-digital watermark, which is a signal generated according to specific rules, that is embedded in-into contents comprising digital data,
wherein the digital watermark prevents a device from copying said contents or allows the device to copy said contents one time only, and
wherein an end positiontiming of said embedded digital watermark in said contents is set before an end timing of said contents.

18. (currently amended): The computer-readable recording-medium according to claim 17, wherein a difference between the end positiontiming of said embedded digital watermark and the end timing the end of said contents corresponds to or is greater than the a delay time in detecting said digital watermark.

19. (currently amended): A recording computer-readable medium having an embedded a digital watermark, which is a signal generated according to specific rules, that is embedded in-into contents comprising digital data,
wherein the digital watermark prevents a device from copying said contents or allows the device to copy said contents one time only, and
wherein a start starting positiontiming of said embedded digital watermark for next content of said contents is set in said contents before a start starting pointtiming of said next contentscontent.

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20. (currently amended): The computer-readable recording medium according to claim 19, wherein a difference between the start starting position~~start~~ timing of said embedded digital watermark and ~~a~~ the start starting position~~start~~ timing of said next content ~~contents~~ corresponds to or is greater than ~~the-a~~ delay time in detecting said digital watermark.

21. (currently amended): A computer-readable recording medium having a digital watermark, which ~~are-is a signal~~ signals generated according to specific rules, that ~~are-is~~ embedded ~~in-into~~ a plurality of continuous contents comprising digital data, wherein the digital watermark prevents a device from copying said contents or allows the device to copy said contents one time only, and
wherein a first change position~~start~~ timing of said digital watermarks-watermark in adjacent contents contents-is set before a second change position~~start~~ timing, where the second change timing is a timing at which ~~of~~ the adjacent-contents contents are switched to current contents.

22. (currently amended): The computer-readable recording medium according to claim 21, wherein in case that out of a plurality of continuous contents, copying is allowed for previous contents, a start starting position~~start~~ timing of said embedded digital watermark in following contents that follow said previous contents is set at a start timing starting point of the following contents.

23. (currently amended): The computer-readable recording medium according to claim 21, wherein a difference between the first change position~~start~~ timing of said embedded digital

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~~watermarks watermark and the second change position timing of said adjacent contents switch corresponds to or is greater than the a delay time in detecting said digital watermark watermarks.~~

24. (canceled).

25. (new): The digital watermark method according to claim 1, further comprising generating the watermark according to a pseudorandom noise series, where the pseudorandom noise series codes is added to each brightness value of picture elements of said contents.

26. (new): The digital watermark embedding apparatus according to claim 9, further comprising a generating device for generating the watermark according to a pseudorandom noise series, where the pseudorandom noise series codes is added to each brightness value of picture elements of said contents.

27. (new): The computer-readable medium according to claim 17, wherein the watermark is generated according to a pseudorandom noise series, where the pseudorandom noise series codes is added to each brightness value of picture elements of said contents.